

1 M--AIHKALVMCLGLF-LFLF--PGAWAQGHVPPGCSQG SEQ ID 1
1 MFVA SERKMR AHQVLTFTFLFVITSVASENASTSRGCGLD SEQ ID 5

35 LNPLYYNLCDRSGAWGIVLEAVAGAGIVTTFVLTIIILVAS SEQ ID 1
41 LLPQYVSLCDLDAIWGIWVEAVAGAGALIITLLLMILIILVR SEQ ID 5

75 LPFVQDTKKRSLLGTVFLLGLTGLFCLVFACVVKPDFS SEQ ID 1
81 LPFIKEKEKKS PVGLHFLFLLGLTGLFGLTFATFAFIIEDET SEQ ID 5

115 TCASRRFLFGVLPFAICFSCLAAHVFA LNF LARKNHGPRGW SEQ ID 1
121 IC SVRRRLWGVLFALCFSCLLSQAWRVRRLV RHGTGPA GW SEQ ID 5

155 VIFTVALLT LVEVIINTEWLITLVRGSGEGGPQGNSSA SEQ ID 1
161 QLVGLALCLMLVQVIAVEWLVLTVLRDT----- SEQ ID 5

195 GWAVASPCAIANMDFVMALIIYVMLLLLGAF LGAWPALCGR SEQ ID 1
190 -----RPA CAYEPMDFVMALIIYDMVLVVTGLGLA LFTLCGK SEQ ID 5

FIGURE 1A

235 YKRWRKHGVFVLLTTATSVAIWVVMIVMYTYGN-KQHNSP SEQ ID 1
 226 FKRWKLNGLLITAFLSVLIWVAMTMYLFGN VKLQ QGD SEQ ID 5
 274 TWDDPTLAI A LAANA WAFVLFYV IPEVS-- -QVTKSSPE SEQ ID 1
 266 AMNDPTLAI T LAASGVFVI FHA IPEIHC TLLPALQENTP SEQ ID 5
 310 QSYQGD MYPTRGVGYETILKEQKQSMFVENKAFSMD E P V SEQ ID 1
 306 NYFDTSQPRMRETA FEEDVQLPRA-- -YME NKAFSMD EHN SEQ ID 5
 350 AAKRPVSPYSGYNGQLLTSVYQPT EMALMHKVPS EGA YDI SEQ ID 1
 343 AALLRT-- -AGFPNGSLGK-- -RPSGS-- -LGKRP S-APFRS SEQ ID 5
 390 ILPRA TANSQVMGSANSTLRAEDMYSAQSHQAA T PPKDGK SEQ ID 1
 374 NVYQPT EMAVV L NGGTIP-- -TAP PSH TGR SEQ ID 5
 430 NSQVFRNPYVD SEQ ID 1
 401 H-- -LW SEQ ID 5

FIGURE 1B

1 M-----DLEASLLPTGPNASNTSDGPDNLTSAGSPPTRTGS SEQ ID 2
 1 MW-----SCS WFN-----GTGLVEEL--PACQDLQLG SEQ ID 3
 1 MFRPLVNL SHIYFKKFQYCGYAPHVR-----SCKPNTDGDG SEQ ID 4
 36 ISYINIIIMPSVFGTICLLGIIGNS--TVIFAVVKKSKLHW SEQ ID 2
 26 LSLLSLLGLV-----GVPGVGLCYNALLVLANLHS-KA SEQ ID 3
 35 ISLENLLASIIQRVFWVVSATCFGNIFVICMRPYIRS SEQ ID 4
 74 CNNVPDIFIINLSVVD-----LFLGLG--MPFMIHQLMG SEQ ID 2
 58 SMTMPDVYFVNMAVA--GLVLSALAPVHL--LGPPSSR SEQ ID 3
 75 ENKLYAMSIIISLCCADCLMGIYLFVIGGFDLKFGRGEYNKH SEQ ID 4
 106 NGVWHFG-ETMCTLITAMDANSQFTSTYIITAMAI DRYLA SEQ ID 2
 92 WALWSVVGGEVHVALLQIPFNVS SLVAMYSTALLSLDHYIE SEQ ID 3
 115 AQLW-ME-S THCQLVGS LAI LSTEVSVLLLTFLTLEKYIC SEQ ID 4
 145 TVHPISSTKFRKPSVATLVIC-LLWALSFI-SITPVWLYA SEQ ID 2
 131 RALP-----RTYMASVYNTRHVCGFVWGGALLTSFSSLLFYI SEQ ID 3
 153 IYYPFRCVRPGKCRITI T V L I I I I T G F I V A F I P L S N K E SEQ ID 4
 183 RLIPFPGGAVGCGIRLPNPD T D L Y W F T L Y - - Q F F L A F A L P SEQ ID 2
 168 C-SHVSTRAL E C A K M Q N A E A A D - - - - - A T L V F I G Y V V P SEQ ID 3
 191 FFKNY Y A P N G V C - F P P L H S E D T E S I G A Q I Y S V A I F L G I N L A SEQ ID 4

FIGURE 2A

Questions

221	-FVVI TAA YVRILQRM TSS VAPT SQR SI -RLR TKRV TRTA	SEQ ID 2
200	A L A TL - -YALVL LSR VRREDT PLDR DTLGRLEPSA HRLLV	SEQ ID 3
230	A F I I I VF SYGSMFY SVHQSAI TATE - -I -RNQVK KEMI LA	SEQ ID 4
259	I A I C LVFF - -VCWAPYYV - -LQLTQLSISRPTPTF - -	SEQ ID 2
237	A TVCT QFE - -GL-WTPHYLI LLGHGTGIISRGKPLVD AHYL G	SEQ ID 3
267	K R FF FI VF TDALC WIP IFV VKF SL QLQVE ILPGTI TSW - -	SEQ ID 4
290	VYLYNAA AIS - -LG YANSCLNP FVYIVLCETP - -	SEQ ID 2
273	L LH FV KD FS KL LA F SS SFVT P L LYRYM NQSFP SKL QR - -	SEQ ID 3
304	V VI FI LP I - - -NSA LNPI LYLT TTTRPF KE MIHRFWY	SEQ ID 4
319	-RKRLVLSVKPA AQ - - - - -GOLRAVSNAQA A - -	SEQ ID 2
310	- - - - - - - - - - - - -LMK - -	SEQ ID 3
337	NY[R]Q[K]SMD[S][K]GQKTYAPSFIWWEMWPLQE MPP ELMKPDL	SEQ ID 4
344	- - - - - - -DEERT - -ESKGT	SEQ ID 2
313	-KLPCGDRHCS PDHMGVQQVLA	SEQ ID 3
377	F TY PC EMS LI SQSTR - -LNSYS	SEQ ID 4

FIGURE 2B